

# USE OF DYMEDIX TRIPLEPLAY AIRFLOW SENSORS WITH CADWELL EASY III PSG

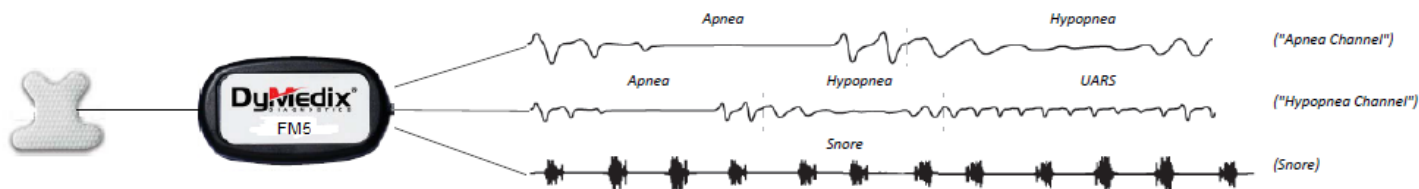
## INSTRUCTIONS FOR MONTAGE MODIFICATION

### OBJECTIVE:

- Duplicate the existing airflow (thermistor) channel resulting in 2 airflow channels.
- Remove the existing nasal pressure channel, which will be replaced by the duplicate airflow channel displaying the TriplePlay airflow sensor waveform.
- Remove the snore channel that was derived from the nasal pressure cannula.

### DATA MAP SETUP:

- The following instructions relate to the use of the Dymedix FM3, FM4 and FM5 filtration modules.



*Example of the Dymedix FM5 functionality and resulting waveforms*

- Enter Easy III System Utilities
- Enter System Setup
- Enter Data Map
- Highlight the current default apnea data map, choose COPY
- Highlight the new copied data map, choose EDIT
  - Rename the data map – (optional)
  - Remove the nasal pressure airflow, and nasal pressure snore data types
  - Add an additional airflow channel (airflow2), choose available head box inputs
  - Makes sure snore microphone is active, choose available head box inputs

Please see [Figure 1 for the DATA MAP SCREEN SAMPLE](#)

- Choose OK, then choose OK again

### MONTAGE SETUP:

- Highlight the montage you wish to use with the Dymedix TriplePlay sensor and choose COPY
- Highlight the copied montage and choose EDIT
- Remove and insert data types as required placing the old airflow (apnea), new duplicate airflow (hypopnea), and snore microphone channels in the desired locations within the montage.
- Choose available head box inputs for each new channel
- Choose OK, then choose OK again.

Please see [Figure 2 for the EDIT MONTAGE SCREEN SAMPLE](#)

Please see [Figure 3 for the RECORD MODE SCREEN SAMPLE](#)

**This completes the Montage Modification procedure**

Figure 1 - DATA MAP SCREEN SAMPLE

Name: PSG Dymedix FM5

Head: Grid Device

Data Type	Input(s)	Name	Group	Color	Sensitivity	Trace Clipping	High Cut	Low Cut
SpO2	Cadwell Oximeter-1	SpO2			50 to 100	50%		
Pulse Rate	Cadwell Oximeter-1	BPM			30 to 150	50%		
Body Position	Cadwell Body Position-1	Position			Upright to Left	50%		
Airflow-2	1A-1R	Hypopnea	Airflow 2		7 $\mu$ V/mm	50%	15	0.16
EKG	T1-T2	EKG	EKG		50 $\mu$ V/mm	50%	35	1
Effort (Chest)	6A-6R	Chest	Resp Effort Belts		0.5 x	50%	15	0.16
Effort (Abdomen)	7A-7R	Abdomen	Resp Effort Belts		0.5 x	50%	15	0.16
Leg EMG (Left)	2A-2R	L Leg	Leg EMG		10 $\mu$ V/mm	50%	100	10
Leg EMG (Right)	3A-3R	R Leg	Leg EMG		10 $\mu$ V/mm	50%	100	10
Snore	4A-4R	Snore	Snore Microphone		0.7 x	50%	100	10
Airflow	5A-5R	Apnea	Airflow		7 $\mu$ V/mm	50%	15	0.16
Plethysmograph	Cadwell Oximeter-1	Plethysmograph			480 to 520	50%		
CPAP (Set Pressure)	DC1 (Respironics - Synchrony)	CPAP (Set Pressure)			0 to 30	50%		
CPAP Flow	DC2 (Respironics - Synchrony)	CPAP Flow			-30 to 30	50%		
CPAP Leak Flow	DC3 (Respironics - Synchrony)	CPAP Leak Flow			0 to 100	50%		
EKG Heart Rate	T1-T2	EKG Heart Rate	EEG		30 to 220	50%		
					7 $\mu$ V/mm	50%	35	0.16

Buttons: Edit Channel Group Settings, Edit DC Input Calibrations, OK, Cancel

Figure 2 – EDIT MONTAGE SCREEN SAMPLE

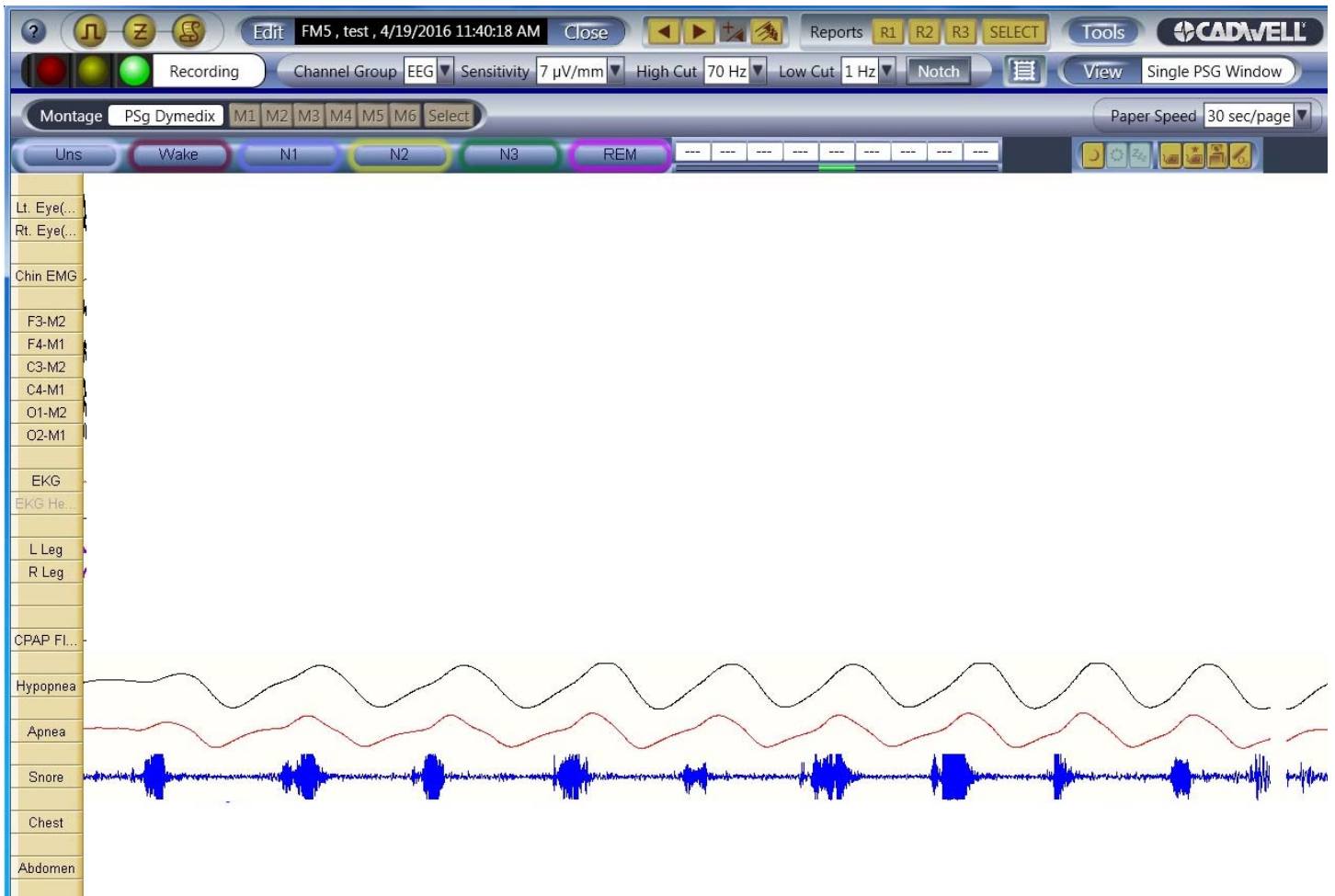
Name: PSG Dymedix FM5

Head: Grid Data Type

Input(s)	Name	Data Type	Group	Sensitivity	Trace Clipping	High Cut	Low Cut	Amplitude Markers	Linked Event
FP1-M2	Lt. Eye(E1)		PSG EEG	7 $\mu$ V/mm	50%	35	0...		<None>
FP2-M1	Rt. Eye(E2)		PSG EEG	7 $\mu$ V/mm	50%	35	0...		<None>
				7 $\mu$ V/mm	50%	35	0...		<None>
1A-1R	Chin EMG	Chin EMG	Chin EMG	15 $\mu$ V/mm	50%	100	10		<None>
				7 $\mu$ V/mm	50%	35	0...		Arousal
F3-M2	F3-M2		PSG EEG	7 $\mu$ V/mm	50%	35	0...		Arousal
F4-M1	F4-M1		PSG EEG	7 $\mu$ V/mm	50%	35	0...		<None>
C3-M2	C3-M2		PSG EEG	7 $\mu$ V/mm	50%	35	0...		<None>
C4-M1	C4-M1		PSG EEG	7 $\mu$ V/mm	50%	35	0...		<None>
O1-M2	O1-M2		PSG EEG	7 $\mu$ V/mm	50%	35	0...		<None>
O2-M1	O2-M1		PSG EEG	7 $\mu$ V/mm	50%	35	0...		<None>
				7 $\mu$ V/mm	50%	35	0...		<None>
T1-T2	EKG	EKG	EKG	50 $\mu$ V/mm	50%	35	1		Long/Short R...
T1-T2	EKG Heart Ra...	EKG Heart Ra...	EEG	30 to 220	50%				<None>
				7 $\mu$ V/mm	50%	35	0...		<None>
2A-2R	L Leg	Leg EMG (Left)	Leg EMG	10 $\mu$ V/mm	50%	100	10		LM
3A-3R	R Leg	Leg EMG (Rig...	Leg EMG	10 $\mu$ V/mm	50%	100	10		LM
				7 $\mu$ V/mm	50%	35	0...		<None>
				7 $\mu$ V/mm	50%	35	0...		<None>
DC2 (Respironics - Sync...	CPAP Flow	CPAP Flow		-30 to 30	50%				<None>
				7 $\mu$ V/mm	50%	35	0...		Respiratory
1A-1R	Hypopnea	Airflow-2	Airflow 2	7 $\mu$ V/mm	50%	15	0...		Hypopnea
				7 $\mu$ V/mm	50%	35	0...		Hypopnea
5A-5R	Apnea	Airflow	Airflow	7 $\mu$ V/mm	50%	15	0...		Obstructive ...
				7 $\mu$ V/mm	50%	35	0...		<None>
4A-4R	Snore	Snore	Snore Micro...	0.7 x	50%	100	10		Snore
				7 $\mu$ V/mm	50%	35	0...		<None>
6A-6R	Chest	Effort (Chest)	Resp Effort R...	0.5 x	50%	15	0...		Mixed Apnea

Buttons: Edit Channel Group Settings

Figure 3 – RECORD MODE SCREEN SAMPLE



*Dymedix FM5 being displayed in the HYPOPNEA, APNEA and SNORE channels.*